

Fig. 2

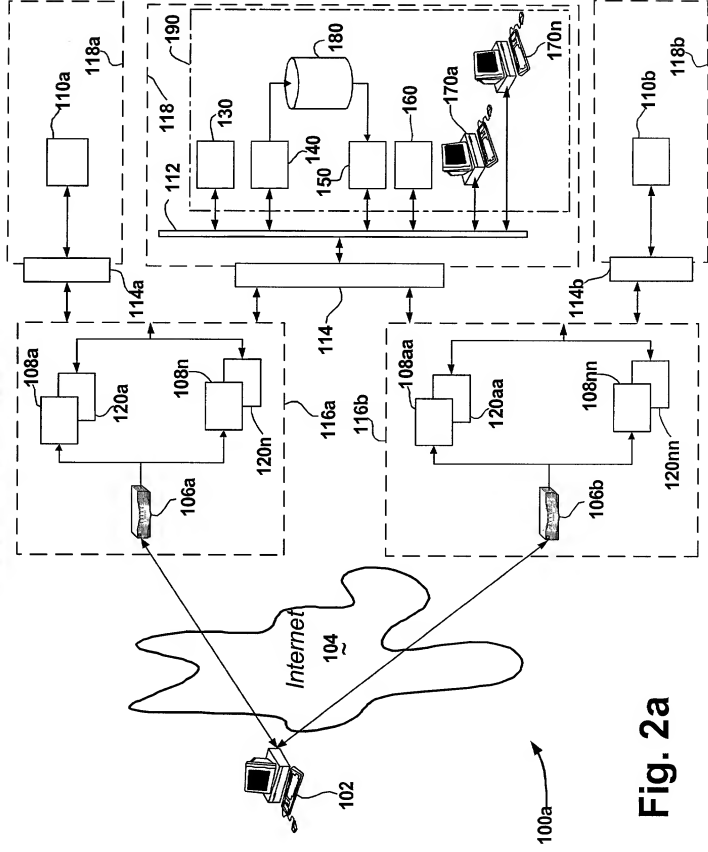


Fig. 2a

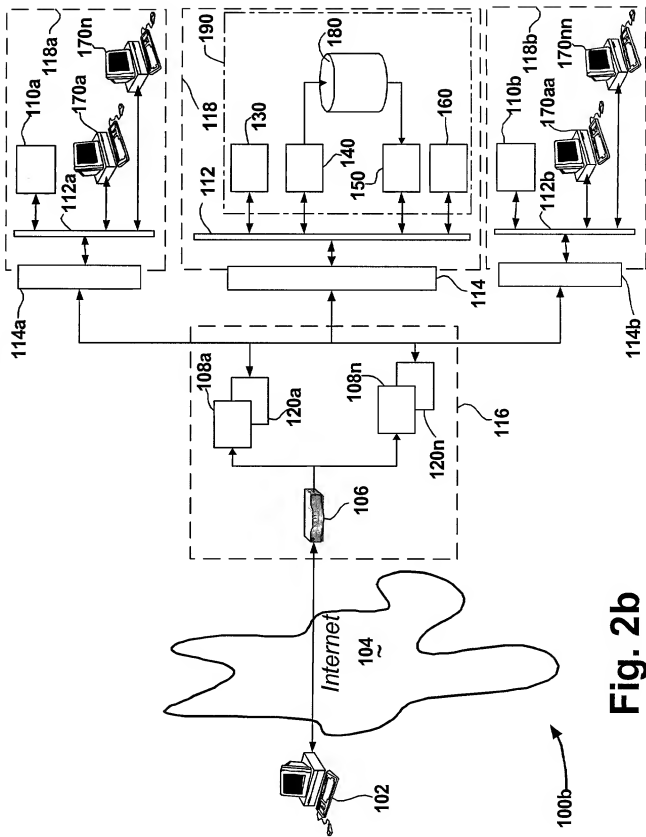


Fig. 2b

192

Fig. 3

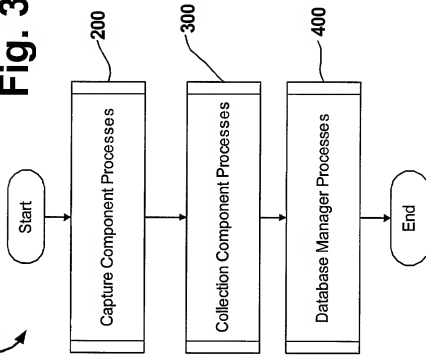
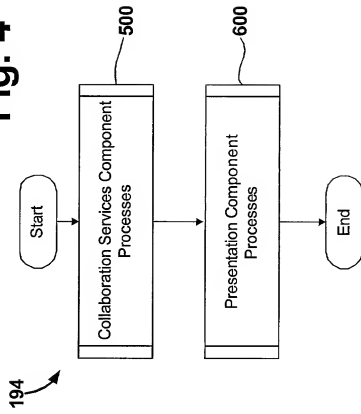
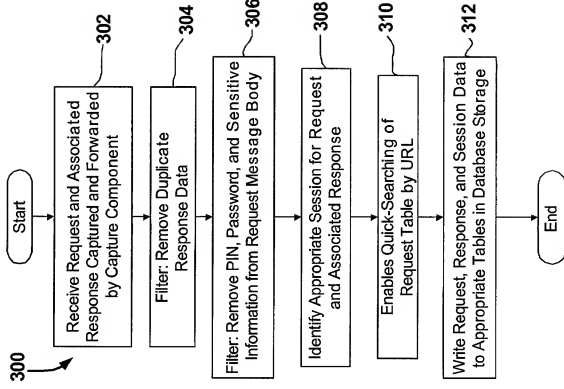
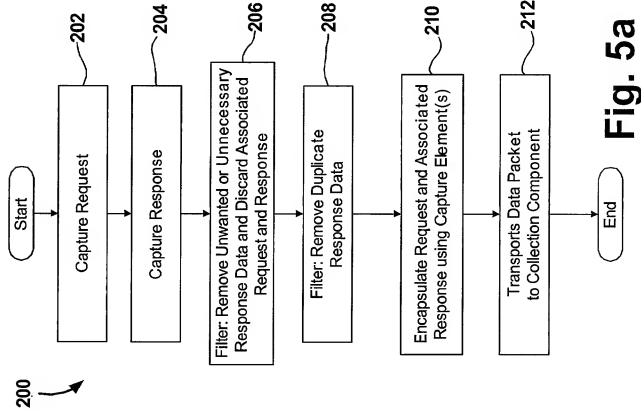
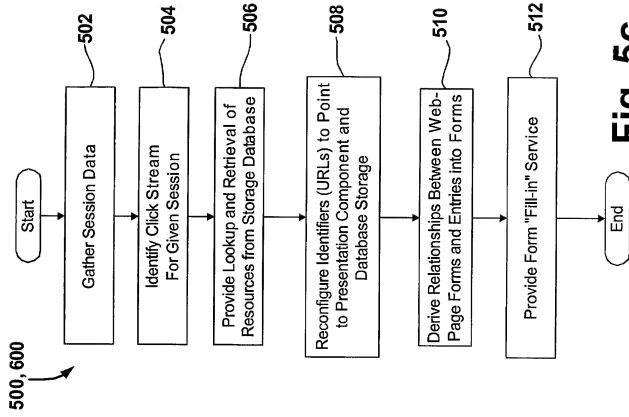


Fig. 4







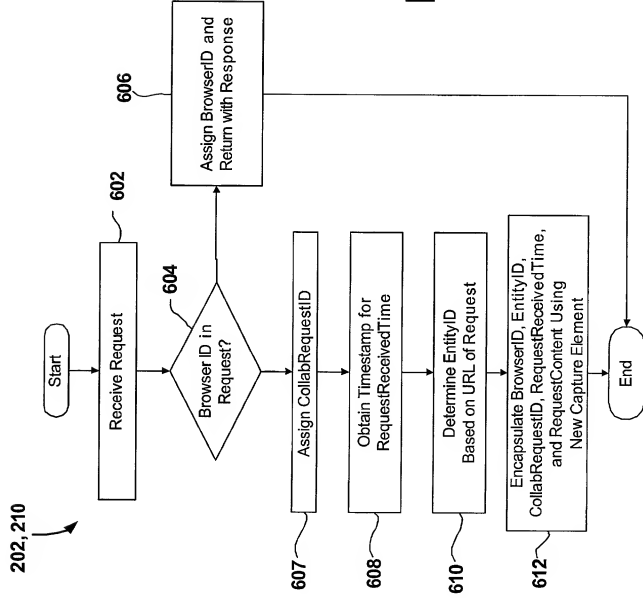
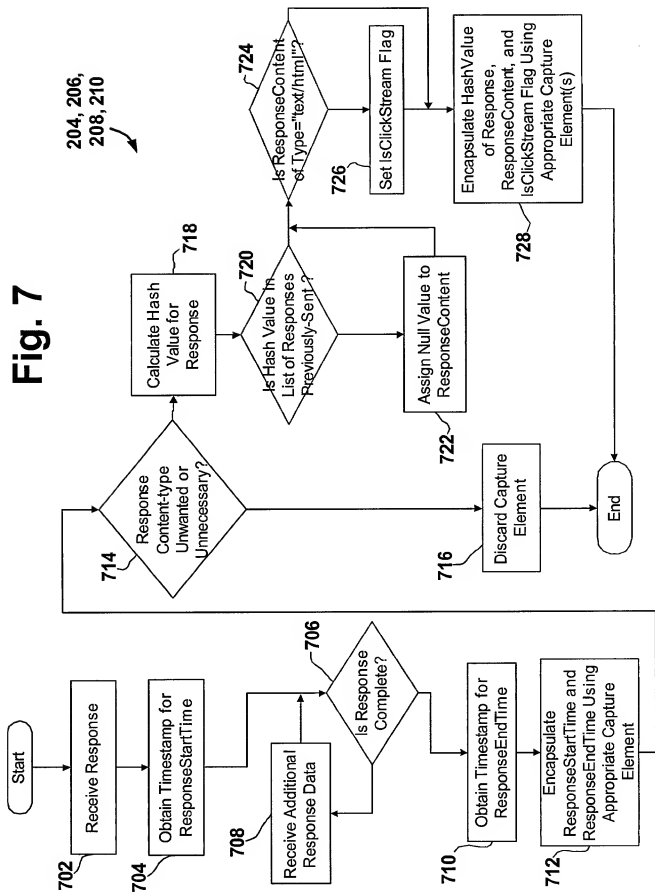


Fig. 6



Capture Element (Request/Response Pair) (800a)

802	803	804	805	806	808	810	812	814	816
Browser ID	Entity ID	CollabRequestID	RequestReceivedTime	Request Content	ResponseStartTime	ResponseEndTime	Hash Value of Response	Response Content	Is Click Stream (flag)

Fig. 8a

Capture Element (Request only) (800b)

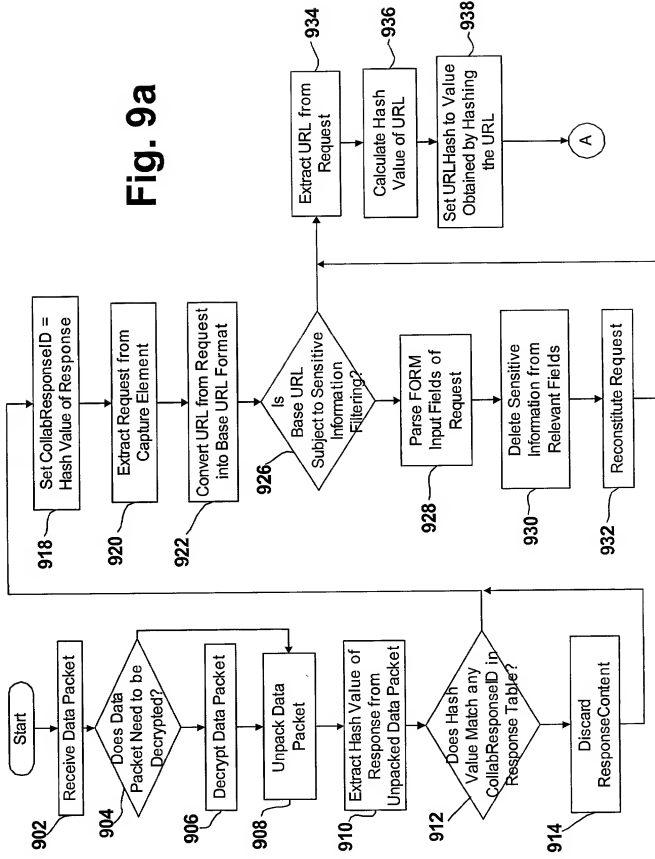
802	803	804	805	806	808	810	812	816
BrowserID	EntityID	CollabRequestID	RequestReceivedTime	Request Content	ResponseStartTime	ResponseEndTime	Hash Value of Response	Is Click Stream (flag)

Fig. 8b

Capture Element (Response only) (800c)

812	814
Hash Value of Response	ResponseContent

Fig. 8c



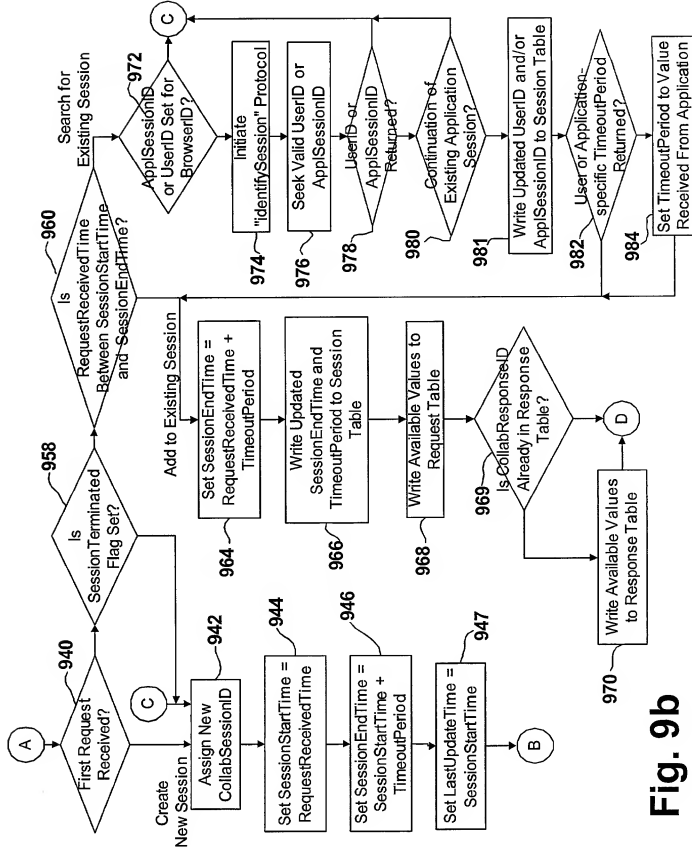
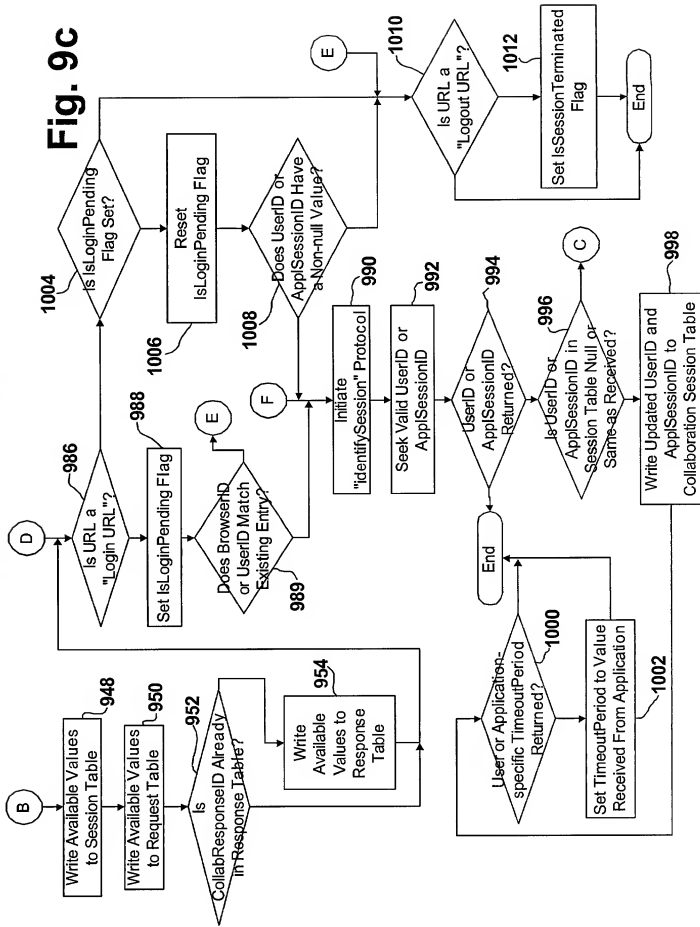


Fig. 9b

Fig. 9c



Session Table (1052)

	Record #	1	2	3	4	...	x
CollabSessionID							
BrowserID							
UserID							
AppSessionID							
EntityID							
SessionStartTime							
SessionEndTime							
LastUpdateTime							
TimeoutPeriod							
IsLoginPending (flag)							
IsSessionTerminated (flag)							

Fig. 10a

Request Table (1054)

	Record #	1	2	3	4	...	y
CollabSessionID							
CollabRequestID							
RequestContent							
RequestReceivedTime							
URLHash							
CollabResponseID							
ResponseStartTime							
ResponseEndTime							
IsClickStream (flag)							

Fig. 10b

Response Table (1056)

Record #	1	2	3	4	...	z
CollabResponseID						
ResponseContent						

Fig. 10c

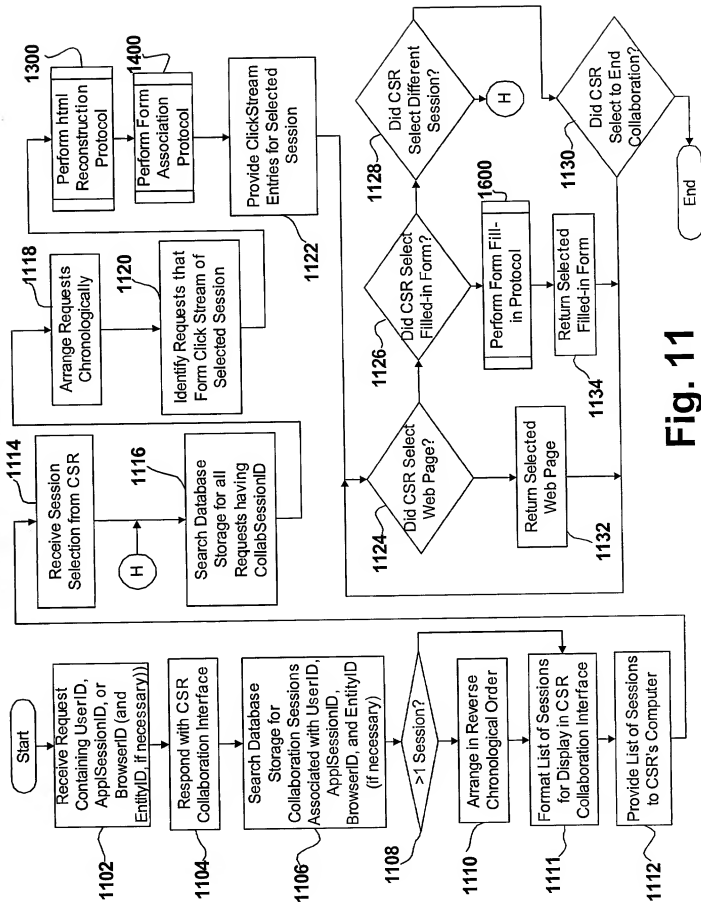
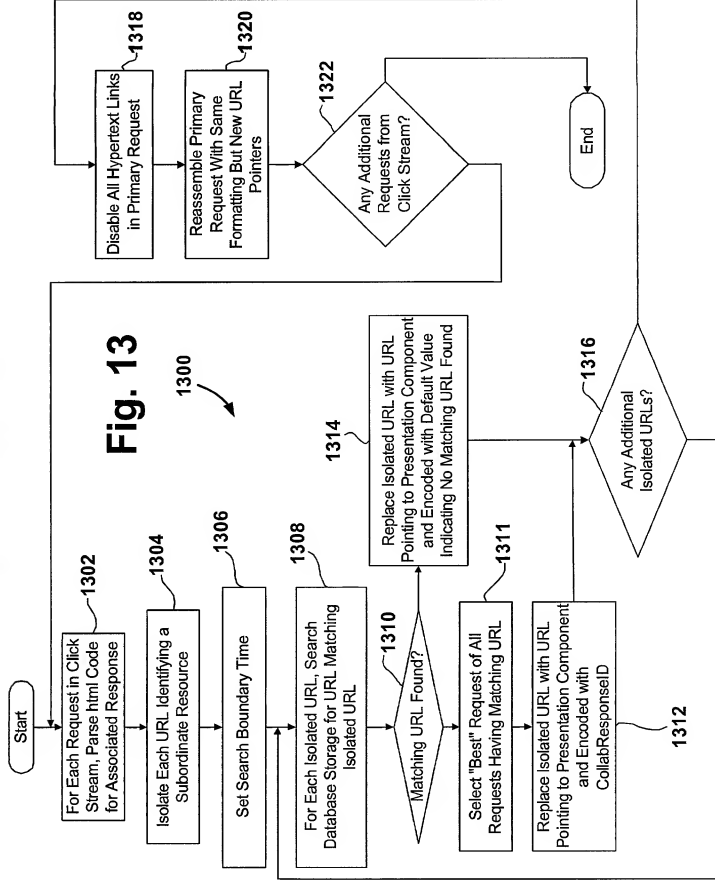


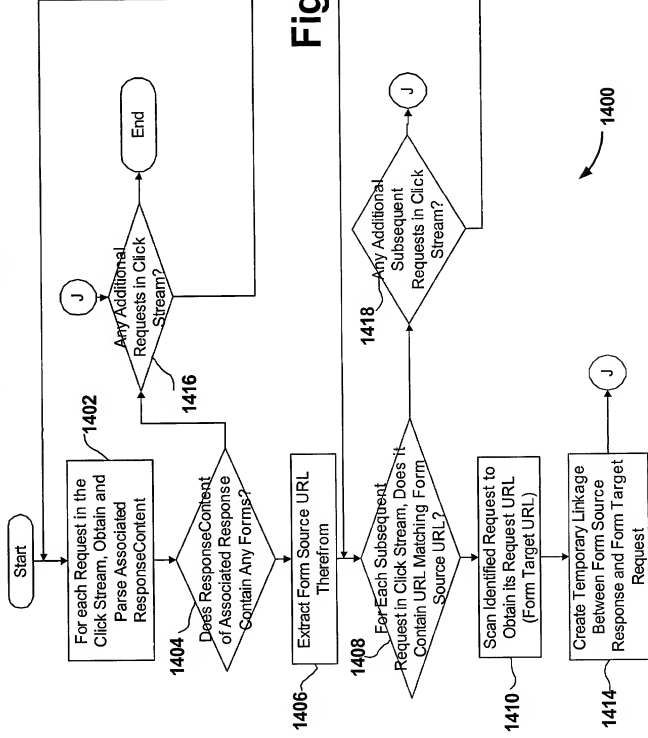
Fig. 11

Single Web Session

	<u>Request</u>	<u>Resources Referenced in Content of Corresponding Response</u>
CS	FirstPage.html	MyStyle.css FirstPic.jpg
	MyStyle.css	
	FirstPic.jpg	
CS	SecondPage.html	MyStyle.css FirstPic.jpg SecondPic.jpg
	SecondPic.jpg	
CS	ThirdPage.html	MyStyle.css FirstPic.jpg SecondPic.jpg
CS	FourthPage.html	

Fig. 12





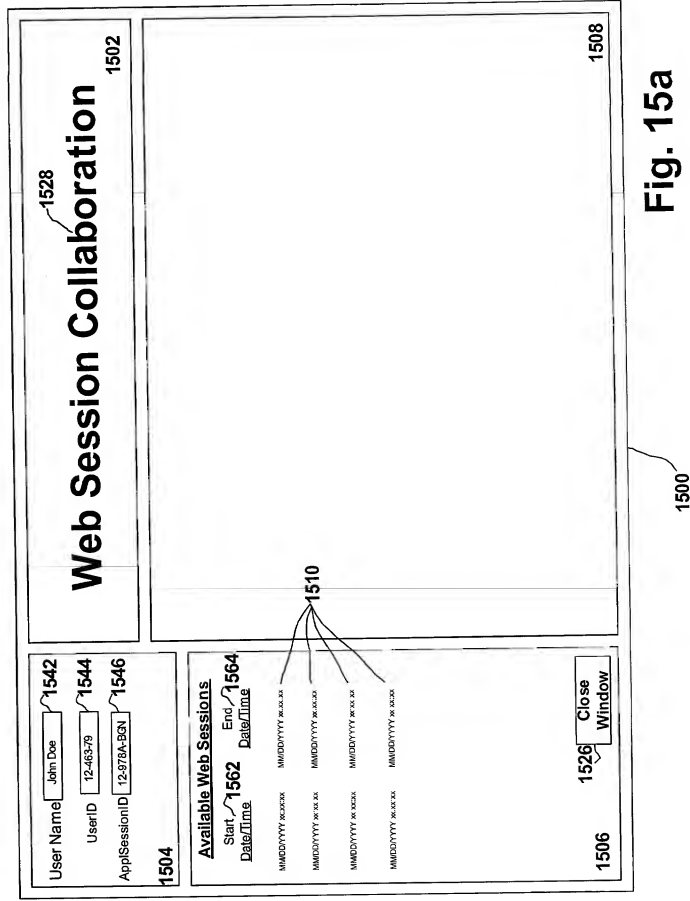


Fig. 15a

User Name <input type="text" value="John Doe"/> 1542 User ID <input type="text" value="12-46379"/> 1544 AppSessionID <input type="text" value="12-676A-BSN"/> 1546 1504		<h1>Web Session Collaboration</h1> 1502							
<h2>Available Web Sessions</h2> <table border="1"> <thead> <tr> <th>Start Date/Time</th> <th>End Date/Time</th> </tr> </thead> <tbody> <tr> <td>MMDDYYYY * XX:XX</td> <td>MMDDYYYY * XX:XX</td> </tr> <tr> <td>MMDDYYYY * XX:XX</td> <td>MMDDYYYY * XX:XX</td> </tr> </tbody> </table> <p>1510</p> <p>Web Site Home Page</p> <p>* Application Login Page</p> <p>1522 Account Summary</p> <p>* Buy Order Form Page</p> <p>1520 Confirmation Page</p> <p>1512</p>		Start Date/Time	End Date/Time	MMDDYYYY * XX:XX	MMDDYYYY * XX:XX	MMDDYYYY * XX:XX	MMDDYYYY * XX:XX	1508	
Start Date/Time	End Date/Time								
MMDDYYYY * XX:XX	MMDDYYYY * XX:XX								
MMDDYYYY * XX:XX	MMDDYYYY * XX:XX								
1506		1526 Close Window							

Fig. 15b

1500

1504

User Name 1542

User ID 1544

AppSessionID 1546

1502

Web Session Collaboration

1506

1526 Close Window

Available Web Sessions

Start Date/Time	End Date/Time
1562	1564

Web Site Home Page

* Application Login Page

1522 Account Summary

* Buy Order Form Page

1520 Confirmation Page

1530

Buy Order Form Page

Enter Stock Symbol

Number of Shares

Price per Share

Expiration Time

Select Payment Method

1508

Fig. 15c

1500

User Name 1542UserID 1544App/SessionID 1546

1504

Available Web Sessions

Start Date/Time	End Date/Time
1562	1564

MMDDYYYY XX:XX XX MMDDYYYY XX:XX XX

MMDDYYYY XX:XX XX MMDDYYYY XX:XX XX

Web Site Home Page* Application Login Page1522 Account Summary* 1520 Buy Order Form Page1520 Confirmation Page

MMDDYYYY XX:XX XX MMDDYYYY XX:XX XX

MMDDYYYY XX:XX XX MMDDYYYY XX:XX XX

1506

Web Session Collaboration

1502

Buy Order Form Page

Enter Stock Symbol Select Payment Method Number of Shares Price per Share Expiration Time 1532

1508

Fig. 15d

1500

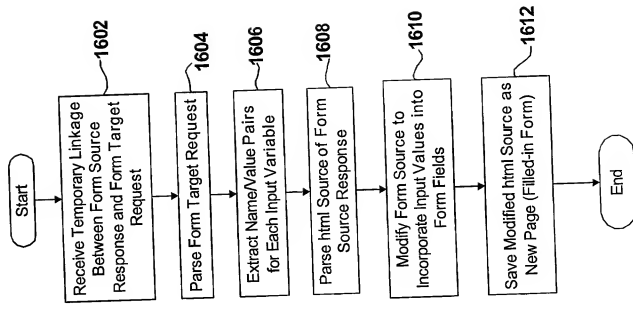


Fig. 16

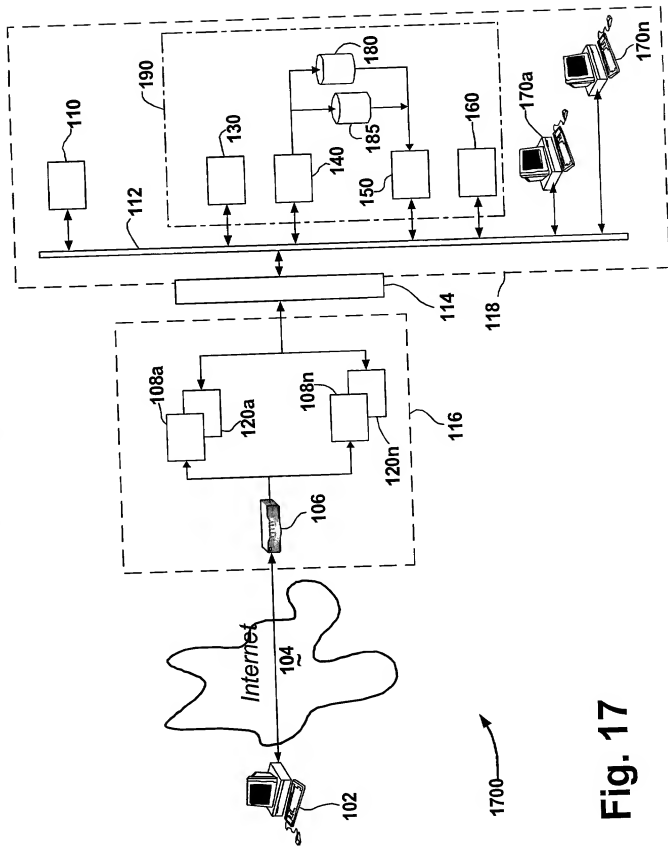


Fig. 17

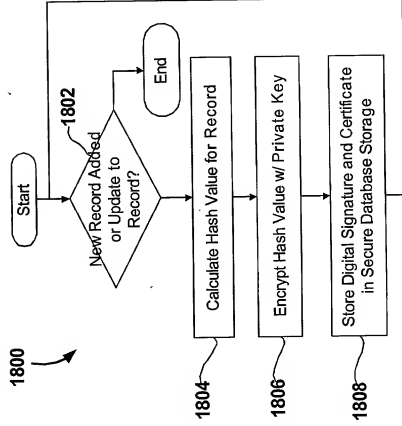


Fig. 18

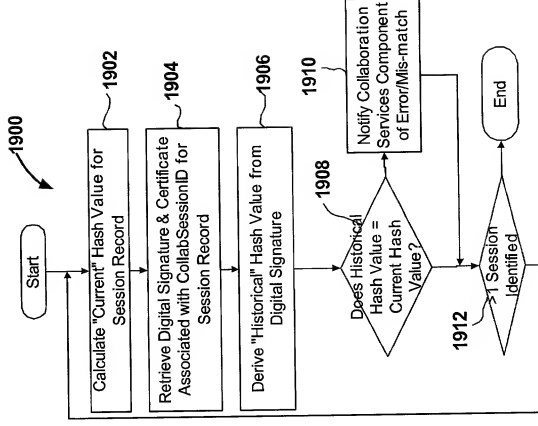


Fig. 19

2004

User Name

Joe Schmo

2042

User ID

13-598-JS

2044

AppSessionID

12378B-BGN

2046

2004

2008

Web Session Customer Playback

2002

2010

2012

2020

2022

2006

2026

Close Window

2000

2030

CONFIRM

Fig. 20

2000a

Fig. 21

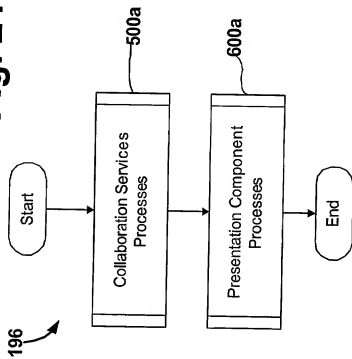
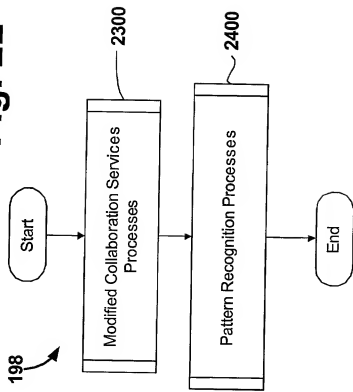


Fig. 22



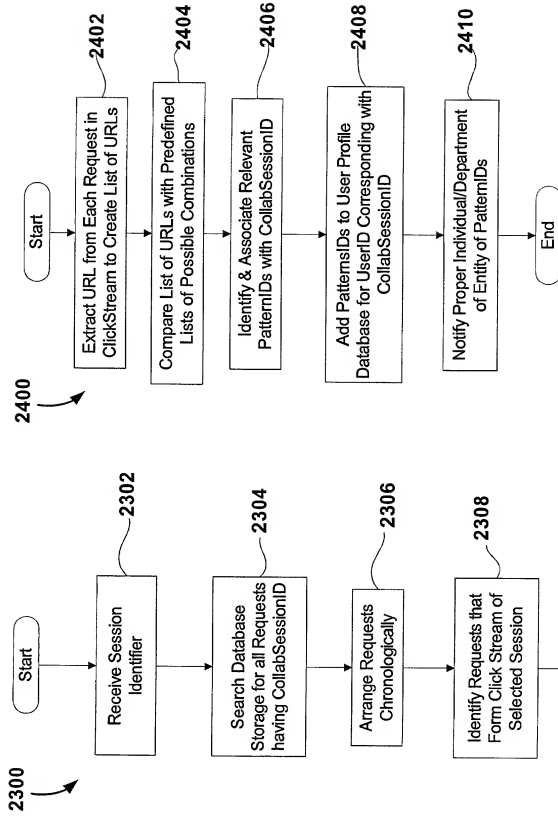


Fig. 24

Fig. 23